

Claims:

5 1. A voice attachment control apparatus for a construction machine (80) which has an attachment element (401) as a construction working member connected to actuators (120, 121, 122), characterized in that it comprises:

10 speech analysis means (1a) for speech-analyzing a voice command representative of an instruction by voice regarding a movement of said attachment element (401);

 speech discrimination means (1b), connected to said speech analysis means (1a), for discriminating the instruction of the voice command; and

15 machine body control means (1c), connected to said speech discrimination means (1b), and operable of controlling movement of said attachment element (401) based on the instruction.

20 2. The voice attachment control apparatus for a construction machine as set forth in claim 1, characterized in that

 said machine body control means (1c) sets values relating to a movement position and a speed of said attachment element (401).

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3. The voice attachment control apparatus for a construction machine as set forth in claim 1, characterized

in that

5 said machine body control means (1c) includes speech synthesis means (1d) for conveying a working situation of said attachment element (401) to an operator of said construction machine.

4. A voice attachment control method for a construction machine, characterized in that it comprises,

10 in order to operate a shear (401) connected to actuators (120, 121, 122) and operable of performing a movement of grasping an object and a rotational movement as an attachment element (401) as a construction working member,

15 a first movement step of speech-analyzing a voice command representative of an instruction by voice regarding a movement of said attachment element (401) to discriminate the instruction of the voice command and performing a first movement of said actuators (120, 121, 122),

20 a stopping step of stopping said shear (401) once after the first movement step, and

25 a second movement step of speech-analyzing, after the stopping step, another voice command to discriminate a second instruction of the voice command and performing a second movement of said actuators (120, 121, 122) based on the second instruction.

5. A voice attachment control method for a construction machine, characterized in that it comprises,

in order to operate a shear (401) connected to actuators (120, 121, 122) and operable of performing a movement of grasping an object and a rotational movement as an attachment element (401) as a construction working member,

an interlocking movement step of speech-analyzing a voice command representative of an instruction by voice regarding an interlocking movement of said attachment element (401) which includes a plurality of movements to be performed simultaneously to discriminate the instruction of the voice command and performing the interlocking movement of said actuators (120, 121, 122) based on the instruction.

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